

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
three eighths inch = one foot
one half inch = one foot
one quarter inch = one foot
one eighth inch = one foot

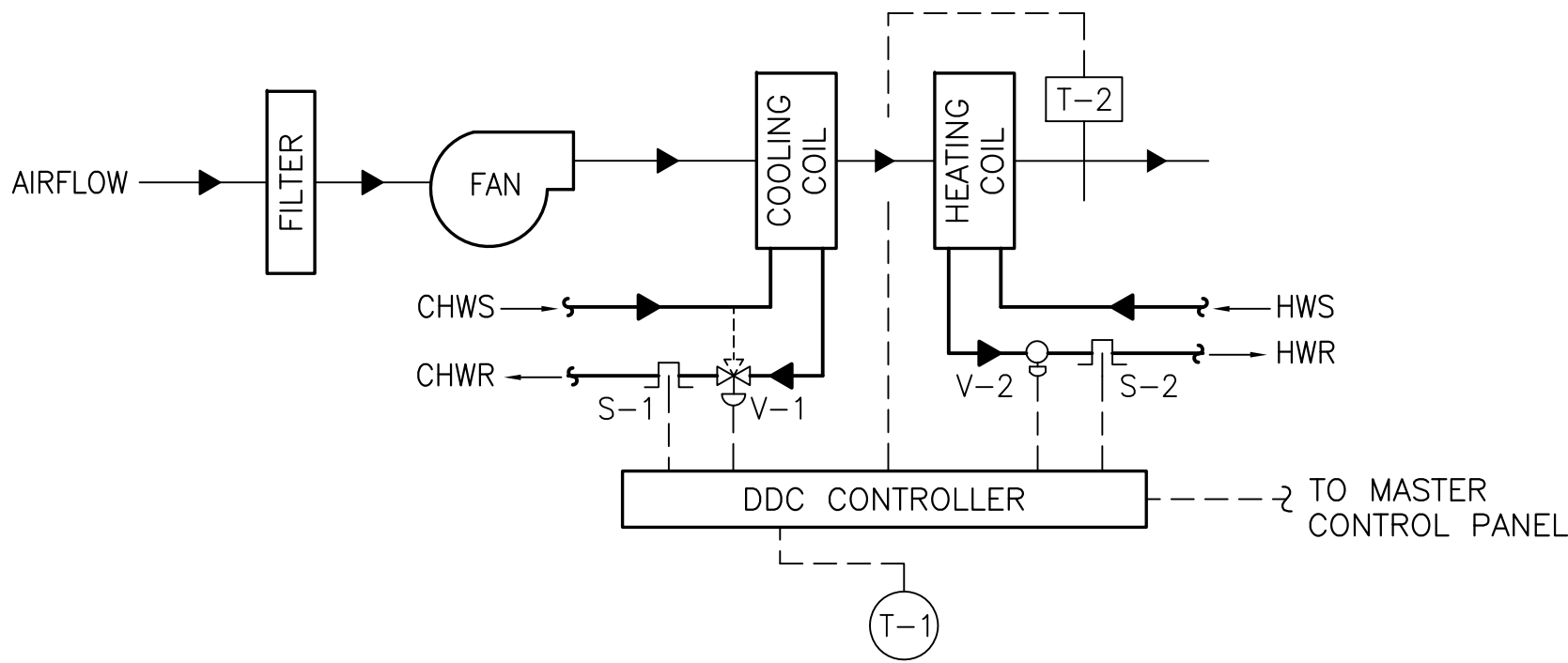
AIR DEVICE SCHEDULE								
TAG	SERVICE	TYPE	FACE SIZE (IN)	NECK SIZE (IN)	VOLUME (CFM)	MAX NC	BASIS OF DESIGN	REMARKS
CD-1	SUPPLY	CEILING DIFFUSER	24x24	6"ø	0-155	25	TITUS - PAS	-
CD-2	SUPPLY	CEILING DIFFUSER	24x24	8"ø	155-225	25	TITUS - PAS	-
CD-3	SUPPLY	CEILING DIFFUSER	24x24	10"ø	225-305	25	TITUS - PAS	-
EG-1	EXHAUST	RETURN GRILLE	24x24	6"ø	0-170	25	TITUS - PAR	ALL ALUMINUM CONSTRUCTION IN TOILETS
EG-2	EXHAUST	RETURN GRILLE	24x24	15x15	170-900	25	TITUS - PAR	ALL ALUMINUM CONSTRUCTION IN TOILETS

FAN COIL UNIT SCHEDULE														
TAG	AIR FLOW (CFM)	OA (CFM)	COOLING W/45°F ENTERING WATER TEMP.				HEATING W/180°F ENTERING WATER TEMP.		CIRCULATING WATER			FAN MOTOR		BASIS OF DESIGN
			SENSIBLE CAPACITY (MBH)	TOTAL CAPACITY (MBH)	EAT (DEG F)		TOTAL CAPACITY (MBH)	EAT (DEG F)	COOLING FLOW (GPM)	HEATING FLOW (GPM)	RUNOUT (IN)	HP	VOLT PHASE	
					Db	Wb								
FCU-03	240	0	5.3	5.8	75.0	63.0	19.4	70.0	1.2	1.0	3/4"	1/30	120/1	YORK – YVFB
FCU-06	450	0	10.3	11.4	75.0	63.0	10.4	70.0	2.3	1.9	3/4"	1/6	120/1	YORK – YVFB

NOTE: PROVIDE LOCAL DDC CONTROLLER THAT IS FULLY COMPATIBLE WITH THE CONTROL SYSTEM WITHOUT THE USE OF AN INTEGRATOR; IE, JOHNSON CONTROLS METASYS.

ELECTRIC HUMIDIFIER SCHEDULE							
TAG	CAPACITY (LB/HR)	TYPE	WATER INLET (IN)	ELECTRICAL		WEIGHT (LB)	BASIS OF DESIGN
				POWER (KW)	V/ø		
EH-1	4.5	MOD	1/2	1.4	120/1	50.0	NEPTRONIC - SKR

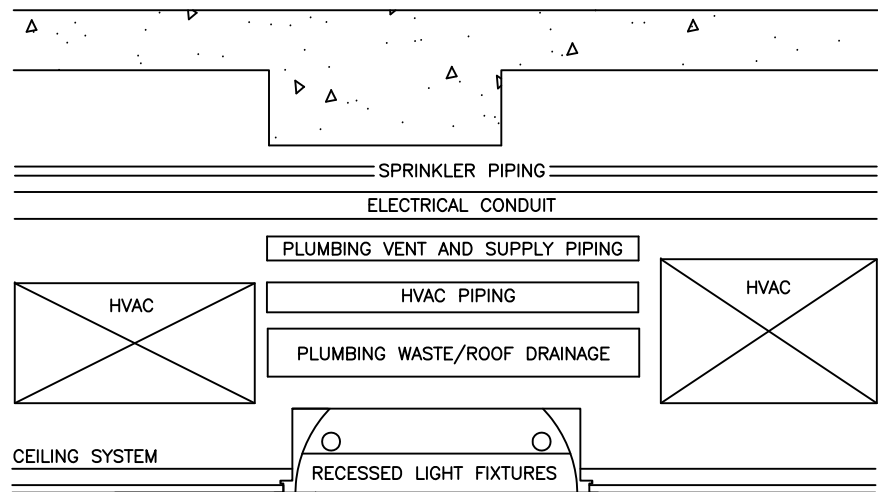
NOTE: PROVIDE HUMIDIFIER WITH FAN DISTRIBUTION UNIT



SEQUENCE OF OPERATIONS:

- UNIT FAN SHALL OPERATE CONTINUOUSLY.
- COINCIDENT OPERATION OF THE HEATING AND COOLING COILS IS PROHIBITED.
- PATIENTS AND/OR STAFF SHALL BE ABLE TO ADJUST SETPOINT +/- 5°F OF MCP DICTATED (75°F INITIAL, USER ADJUSTABLE) SETPOINT VALUE.
- MCP SHALL HAVE FULL OVERRIDE ABILITY OF ALL FCU FUNCTIONS.
- DISCHARGE AIR TEMPERATURE SENOR, T-2, IS TO BE USED FOR MAINTENANCE.
- TYPICALLY, PROVIDE 2-WAY VALVE TO SERVE CHILLED WATER. PROVIDE A 3-WAY VALVES AT THE MOST HYDROSTATICALLY REMOTE FAN COIL UNIT AND/OR END OF BRANCHES.
- IN COOLING MODE, AS COMMANDED BY THERMOSTAT, T-1:
 - SOLENOID VALVE, S-1, SHALL BE OPEN.
 - SOLENOID VALVE, S-2, SHALL BE CLOSED.
 - LOCAL DDC CONTROLLER SHALL MODULATE FLOW CONTROL VALVE, V-1, TO MAINTAIN THE ROOM TEMPERATURE SETPOINT AS MEASURED BY ROOM THERMOSTAT, T-1.
- IN HEATING MODE, AS COMMANDED BY THERMOSTAT, T-1:
 - SOLENOID VALVE, S-1, SHALL BE CLOSED.
 - SOLENOID VALVE, S-2, SHALL BE OPEN.
 - LOCAL DDC CONTROLLER SHALL MODULATE FLOW CONTROL VALVE, V-2, TO MAINTAIN THE ROOM TEMPERATURE SETPOINT AS MEASURED BY ROOM THERMOSTAT, T-1.

1 TYPICAL FAN COIL CONTROL
NO SCALE, TYPICAL FOR ALL AHU'S



FULLY SPRINKLERED
FOR CONSTRUCTION

Revisions:	Date	KEY PLAN:	STAMP:	CONSULTANTS:	ARCHITECT/ENGINEERS:	Drawing Title MECHANICAL SCHEDULES & CONTROLS	Project Title RENOVATE INPATIENT MEDICAL/SURGICAL WARD 7E	Project Number R636A8-10-001 Building Number 1	Office of Construction and Facilities Management
						Approved: Project Director	Location Iowa City VA Medical Center	Drawing Number 1-H2 Dwg. 16 of 44	Department of Veterans Affairs